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Table 1
BASE NOS 1-60[illegible]

Table 1

M77.txt	SEQ ID NO 57
M118.txt	SEQ ID NO 58
MY221.txt	SEQ ID NO 59
MY223.txt	SEQ ID NO 60
MY225.txt	SEQ ID NO 61
MY331.txt	SEQ ID NO 62
MY715.txt	SEQ ID NO 63
MY470.txt	SEQ ID NO 64
ATCC4-go.txt	SEQ ID NO 65
ATCC4-0-Gord.txt	SEQ ID NO 66
MY78(1z).txt	SEQ ID NO 67
MY9(jd).txt	SEQ ID NO 68
M80(1g).txt	SEQ ID NO 69
M81(1l).txt	SEQ ID NO 70
M82(fm).txt	SEQ ID NO 71
M83(mb).txt	SEQ ID NO 72
M84(ow).txt	SEQ ID NO 73
M85(1b).txt	SEQ ID NO 74
M86(rb).txt	SEQ ID NO 75
M87(wu).txt	SEQ ID NO 76
MY90(gordb).txt	SEQ ID NO 77
ml26.txt	SEQ ID NO 78
MY128.txt	SEQ ID NO 79
MY103.txt	SEQ ID NO 80
MY475.txt	SEQ ID NO 81
MY476.txt	SEQ ID NO 82
MY930.txt	SEQ ID NO 83
ATCC5-int.txt	SEQ ID NO 84
ATCC5-0int.txt	SEQ ID NO 85
M18.txt	SEQ ID NO 86
M19.txt	SEQ ID NO 87
M20.txt	SEQ ID NO 88
M21.txt	SEQ ID NO 89
M22.txt	SEQ ID NO 90
M23.txt	SEQ ID NO 91
M24.txt	SEQ ID NO 92
M25.txt	SEQ ID NO 93
M26.txt	SEQ ID NO 94
M27.txt	SEQ ID NO 95
M28.txt	SEQ ID NO 96
M107.txt	SEQ ID NO 97
MY107.txt	SEQ ID NO 98
MY112.txt	SEQ ID NO 99
MY312.txt	SEQ ID NO 100
ATCC6-kan.txt	SEQ ID NO 101
ATCC6-0Kan.txt	SEQ ID NO 102
M1.txt	SEQ ID NO 103
M2.txt	SEQ ID NO 104
M3.txt	SEQ ID NO 105
M4.txt	SEQ ID NO 106
M6.txt	SEQ ID NO 107
M7.txt	SEQ ID NO 108
M9.txt	SEQ ID NO 109
M57.txt	SEQ ID NO 110
M58.txt	SEQ ID NO 111
M59.txt	SEQ ID NO 112

[illegible]

Table 1

BASE NOS 1-60

SEQ.ID.NO 113	m60.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 114	m61.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 115	m62.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 116	MY106.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 117	MY216.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 118	MY218.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 119	MY226.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 120	MY109.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 121	MY111.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 122	MY112.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 123	MY113.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 124	MY114.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 125	MY325.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 126	MY718.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 127	MY214.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 128	MY224.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 129	MY244.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 130	MY339.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 131	MY343.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 132	MY458.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 133	MY809.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 134	MY817.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 135	MY821.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 136	MY824.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 137	MY102.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 138	MY105.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 139	MY251.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 140	MY256.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 141	MY294.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 142	MY354.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 143	MYtcc7-scr.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 144	MYtcc7-0scr.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 145	MY121.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 146	MY249.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 147	MY372.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 148	MY378.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 149	MY484.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 150	MY556.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 151	MY563.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 152	MY586.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 153	MYtcc8-sme.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 154	MY35.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 155	MY436.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 156	MY437.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 157	MY125.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 158	MY143.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 159	MY104.txt	CCCA	GGACGT	GGAGGCGGAT	CACACCGCAGAC	CCCGT	GGT	GGCCG
SEQ.ID.NO 160	MY196.txt	CCCA	GGACGT	GGAGGCGGAT	C			

M38.txt
M39.txt
M40.txt
M41.txt
M42.txt
M43.txt
M44.txt
M45.txt
M46.txt
M47.txt
M68(Mav6).txt
M89.txt
M66(Mav4).txt

24

Table 1

[illegible]

Table 1
BASE NOS 61-120

SEQ ID NO 57	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 58	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 59	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 60	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 61	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 62	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 63	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 64	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 65	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 66	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 67	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 68	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 69	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 70	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 71	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 72	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 73	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 74	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 75	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 76	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 77	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 78	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 79	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 80	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 81	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 82	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 83	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 84	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 85	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 86	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 87	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 88	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 89	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 90	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 91	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 92	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 93	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 94	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 95	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 96	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 97	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 98	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 99	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 100	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 101	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 102	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 103	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 104	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 105	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 106	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 107	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 108	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 109	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 110	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 111	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG
SEQ ID NO 112	CGATCAAGGAGTTCCTTCGGGACCAAGCCAGCTGTTTCATGGACCAAGAAACACCGG

M77.txt
 M118.txt
 MY221.txt
 MY223.txt
 MY225.txt
 MY341.txt
 MY715.txt
 MY470.txt
 Atcc4-go.txt
 ATCC4-0-Gord.txt
 M78(1z).txt
 M79(jd).txt
 M80(1g).txt
 M81(1l).txt
 M82(rm).txt
 M83(mb).txt
 M84(ow).txt
 M85(1b).txt
 M86(rb).txt
 M87(w).txt
 M90(gordDB).txt
 m126.txt
 M128.txt
 MY103.txt
 MY475.txt
 MY476.txt
 MY830.txt
 Atcc5-int.txt
 ATCC5-0int.txt
 M18.txt
 M19.txt
 M20.txt
 M21.txt
 M22.txt
 M23.txt
 M24.txt
 M25.txt
 M26.txt
 M27.txt
 M28.txt
 M107.txt
 MY107.txt
 MY112.txt
 MY312.txt
 ATCC6-kan.txt
 ATCC6-0Kan.txt
 M1.txt
 M2.txt
 M3.txt
 M4.txt
 M5.txt
 M6.txt
 M7.txt
 M9.txt
 M57.txt
 M58.txt
 M59.txt

BASE NOS 61-120

SEQ ID NO 168

Table 1

BASE NOS 61-120

	70	80	90	100	110	120
SEQ ID NO 169	C	G	A	T	C	A
SEQ ID NO 170	G	G	G	C	A	C
SEQ ID NO 171	G	G	G	C	A	C
SEQ ID NO 172	G	G	G	C	A	C
SEQ ID NO 173	G	G	G	C	A	C
SEQ ID NO 174	G	G	G	C	A	C
SEQ ID NO 175	G	G	G	C	A	C
SEQ ID NO 176	G	G	G	C	A	C
SEQ ID NO 177	G	G	G	C	A	C
SEQ ID NO 178	G	G	G	C	A	C
SEQ ID NO 179	G	G	G	C	A	C
SEQ ID NO 180	G	G	G	C	A	C
SEQ ID NO 181	G	G	G	C	A	C

Table 1
BASE NOS 121-180

ATCC9-ntb.txt	SEQ ID NO 1	TGTCTGGGGGTTGACCCCAAGCGCCGACTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M621.txt	SEQ ID NO 2	TGTCTGGGGGTTGACCCCAAGCGCCGACTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
Atcc1-av.txt	SEQ ID NO 3	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M29.txt	SEQ ID NO 4	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M30.txt	SEQ ID NO 5	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M31.txt	SEQ ID NO 6	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M32.txt	SEQ ID NO 7	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M33.txt	SEQ ID NO 8	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M34.txt	SEQ ID NO 9	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M48-naw.txt	SEQ ID NO 10	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M49.txt	SEQ ID NO 11	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M64(Mav2).txt	SEQ ID NO 12	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M65(Mav3).txt	SEQ ID NO 13	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M67(Mav5).txt	SEQ ID NO 14	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M69(Mav7).txt	SEQ ID NO 15	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M71(Mav9).txt	SEQ ID NO 16	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M91.txt	SEQ ID NO 17	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M94.txt	SEQ ID NO 18	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M95.txt	SEQ ID NO 19	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M96.txt	SEQ ID NO 20	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M100.txt	SEQ ID NO 21	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M101.txt	SEQ ID NO 22	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M102.txt	SEQ ID NO 23	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M104.txt	SEQ ID NO 24	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M105.txt	SEQ ID NO 25	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M106.txt	SEQ ID NO 26	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M111.txt	SEQ ID NO 27	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M76.txt	SEQ ID NO 28	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M451.txt	SEQ ID NO 29	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
ATCC2-chelnew.txt	SEQ ID NO 30	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M10.txt	SEQ ID NO 31	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M11-662.txt	SEQ ID NO 32	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M12.txt	SEQ ID NO 33	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M13_2_662.txt	SEQ ID NO 34	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M14.txt	SEQ ID NO 35	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M15.txt	SEQ ID NO 36	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M16.txt	SEQ ID NO 37	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M17_2_662.txt	SEQ ID NO 38	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M50.txt	SEQ ID NO 39	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M51.txt	SEQ ID NO 40	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M115.txt	SEQ ID NO 41	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M116.txt	SEQ ID NO 42	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M119.txt	SEQ ID NO 43	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M109.txt	SEQ ID NO 44	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M200.txt	SEQ ID NO 45	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M207.txt	SEQ ID NO 46	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M209.txt	SEQ ID NO 47	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M122.txt	SEQ ID NO 48	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M123.txt	SEQ ID NO 49	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M124.txt	SEQ ID NO 50	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
Atcc3-for.txt	SEQ ID NO 51	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M53.txt	SEQ ID NO 52	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M54.txt	SEQ ID NO 53	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M55.txt	SEQ ID NO 54	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M56.txt	SEQ ID NO 55	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG
M74(Mav12).txt	SEQ ID NO 56	TGTCTGGGGGTTGACCCCAAGCGCGCTGTCTGGGCGCTGGGGCCCGGGCGGTCTGTCTGTCACTG

Table 1
BASE NOS 121-180

M60. txt	SEQ ID NO 113	TGT CGGGG
M61. txt	SEQ ID NO 114	TGT CGGGG
M62. txt	SEQ ID NO 115	TGT CGGGG
MY106. txt	SEQ ID NO 116	TGT CGGGG
MY216. txt	SEQ ID NO 117	TGT CGGGG
MY218. txt	SEQ ID NO 118	TGT CGGGG
MY226. txt	SEQ ID NO 119	TGT CGGGG
M109. txt	SEQ ID NO 120	TGT CGGGG
M111. txt	SEQ ID NO 121	TGT CGGGG
M112. txt	SEQ ID NO 122	TGT CGGGG
M113. txt	SEQ ID NO 123	TGT CGGGG
M114. txt	SEQ ID NO 124	TGT CGGGG
MY325. txt	SEQ ID NO 125	TGT CGGGG
MY718. txt	SEQ ID NO 126	TGT CGGGG
MY214. txt	SEQ ID NO 127	TGT CGGGG
MY244. txt	SEQ ID NO 128	TGT CGGGG
MY339. txt	SEQ ID NO 129	TGT CGGGG
MY343. txt	SEQ ID NO 130	TGT CGGGG
MY458. txt	SEQ ID NO 131	TGT CGGGG
MY809. txt	SEQ ID NO 132	TGT CGGGG
MY817. txt	SEQ ID NO 133	TGT CGGGG
MY821. txt	SEQ ID NO 134	TGT CGGGG
MY824. txt	SEQ ID NO 135	TGT CGGGG
MY102. txt	SEQ ID NO 136	TGT CGGGG
MY105. txt	SEQ ID NO 137	TGT CGGGG
MY251. txt	SEQ ID NO 138	TGT CGGGG
MY256. txt	SEQ ID NO 139	TGT CGGGG
MY294. txt	SEQ ID NO 140	TGT CGGGG
MY354. txt	SEQ ID NO 141	TGT CGGGG
Atcc7-3cr. txt	SEQ ID NO 142	TGT CGGGG
Atcc7-09cr. txt	SEQ ID NO 143	TGT CGGGG
MY121. txt	SEQ ID NO 144	TGT CGGGG
MY249. txt	SEQ ID NO 145	TGT CGGGG
MY372. txt	SEQ ID NO 146	TGT CGGGG
MY378. txt	SEQ ID NO 147	TGT CGGGG
MY484. txt	SEQ ID NO 148	TGT CGGGG
MY556. txt	SEQ ID NO 149	TGT CGGGG
MY563. txt	SEQ ID NO 150	TGT CGGGG
MY586. txt	SEQ ID NO 151	TGT CGGGG
Atcc8-sme. txt	SEQ ID NO 152	TGT CGGGG
M35. txt	SEQ ID NO 153	TGT CGGGG
M36. txt	SEQ ID NO 154	TGT CGGGG
M37. txt	SEQ ID NO 155	TGT CGGGG
M125. txt	SEQ ID NO 156	TGT CGGGG
MY143. txt	SEQ ID NO 157	TGT CGGGG
MY104. txt	SEQ ID NO 158	TGT CGGGG
MY196. txt	SEQ ID NO 159	TGT CGGGG
MY357. txt	SEQ ID NO 160	TGT CGGGG
MY358. txt	SEQ ID NO 161	TGT CGGGG
MY480. txt	SEQ ID NO 162	TGT CGGGG
MY212. txt	SEQ ID NO 163	TGT CGGGG
MY491. txt	SEQ ID NO 164	TGT CGGGG
MY497. txt	SEQ ID NO 165	TGT CGGGG
MY816. txt	SEQ ID NO 166	TGT CGGGG
Atcc10-xen. txt	SEQ ID NO 167	TGT CGGGG
	SEQ ID NO 168	TGT CGGGG

Table 1

[illegible]

Table 1
BASE NOS 181-240

M177.txt	SEQ ID NO 57	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M118.txt	SEQ ID NO 58	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
MY221.txt	SEQ ID NO 59	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
MY223.txt	SEQ ID NO 60	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
MY225.txt	SEQ ID NO 61	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
MY341.txt	SEQ ID NO 62	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
MY115.txt	SEQ ID NO 63	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
MY470.txt	SEQ ID NO 64	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
Atcc4-go.txt	SEQ ID NO 65	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
ATCC4-0-Gord.txt	SEQ ID NO 66	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M78(1z).txt	SEQ ID NO 67	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M79(jd).txt	SEQ ID NO 68	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M80(1g).txt	SEQ ID NO 69	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M81(1l).txt	SEQ ID NO 70	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M82(1m).txt	SEQ ID NO 71	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M83(mb).txt	SEQ ID NO 72	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M84(ow).txt	SEQ ID NO 73	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M85(1b).txt	SEQ ID NO 74	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M86(rb).txt	SEQ ID NO 75	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M87(wm).txt	SEQ ID NO 76	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M90(gordDB).txt	SEQ ID NO 77	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
m126.txt	SEQ ID NO 78	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M128.txt	SEQ ID NO 79	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
MY103.txt	SEQ ID NO 80	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
MY475.txt	SEQ ID NO 81	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
MY476.txt	SEQ ID NO 82	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
MY830.txt	SEQ ID NO 83	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
Atcc5-int.txt	SEQ ID NO 84	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
ATCC5-0int.txt	SEQ ID NO 85	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M18.txt	SEQ ID NO 86	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M19.txt	SEQ ID NO 87	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M20.txt	SEQ ID NO 88	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M21.txt	SEQ ID NO 89	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M22.txt	SEQ ID NO 90	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M23.txt	SEQ ID NO 91	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M24.txt	SEQ ID NO 92	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M25.txt	SEQ ID NO 93	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M26.txt	SEQ ID NO 94	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M27.txt	SEQ ID NO 95	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M28.txt	SEQ ID NO 96	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M107.txt	SEQ ID NO 97	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
MY107.txt	SEQ ID NO 98	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
MY112.txt	SEQ ID NO 99	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
MY312.txt	SEQ ID NO 100	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
Atcc6-kan.txt	SEQ ID NO 101	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
ATCC6-0kan.txt	SEQ ID NO 102	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M1.txt	SEQ ID NO 103	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M2.txt	SEQ ID NO 104	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M3.txt	SEQ ID NO 105	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M4.txt	SEQ ID NO 106	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M6.txt	SEQ ID NO 107	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M7.txt	SEQ ID NO 108	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M9.txt	SEQ ID NO 109	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M57.txt	SEQ ID NO 110	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M58.txt	SEQ ID NO 111	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA
M59.txt	SEQ ID NO 112	AGCGTGGCCGGGCTTGAAGTCCGCGACGTCGACCTCGAAGCCCACTACGGCCCGATGTGCCCGA

Table 1

[illegible]

Table 1

[illegible]

Table 1
BASE NOS 241-300[illegible]

Atcc10-xen.txt

Table 1
BASE NOS 241-300

M38. txt	SEQ ID NO 169	TCGAAACCCCGGAGGGG	CCGAAACATCGGT	TGATCGGGCTCGCTGT	CGGTGTACGCGCGGGG
M39. txt	SEQ ID NO 170	TCGAAACCCCGGAGGGG	CCGAAACATCGGT	TGATCGGGCTCGCTGT	CGGTGTACGCGCGGGG
M40. txt	SEQ ID NO 171	TCGAAACCCCGGAGGGG	CCGAAACATCGGT	TGATCGGGCTCGCTGT	CGGTGTACGCGCGGGG
M41. txt	SEQ ID NO 172	TCGAAACCCCGGAGGGG	CCGAAACATCGGT	TGATCGGGCTCGCTGT	CGGTGTACGCGCGGGG
M42. txt	SEQ ID NO 173	TCGAAACCCCGGAGGGG	CCGAAACATCGGT	TGATCGGGCTCGCTGT	CGGTGTACGCGCGGGG
M43. txt	SEQ ID NO 174	TCGAAACCCCGGAGGGG	CCGAAACATCGGT	TGATCGGGCTCGCTGT	CGGTGTACGCGCGGGG
M44. txt	SEQ ID NO 175	TCGAAACCCCGGAGGGG	CCGAAACATCGGT	TGATCGGGCTCGCTGT	CGGTGTACGCGCGGGG
M45. txt	SEQ ID NO 176	TCGAAACCCCGGAGGGG	CCGAAACATCGGT	TGATCGGGCTCGCTGT	CGGTGTACGCGCGGGG
M46. txt	SEQ ID NO 177	TCGAAACCCCGGAGGGG	CCGAAACATCGGT	TGATCGGGCTCGCTGT	CGGTGTACGCGCGGGG
M47. txt	SEQ ID NO 178	TCGAAACCCCGGAGGGG	CCGAAACATCGGT	TGATCGGGCTCGCTGT	CGGTGTACGCGCGGGG
M68 (Mav6). txt	SEQ ID NO 179	TCGAAACCCCGGAGGGG	CCGAAACATCGGT	TGATCGGGCTCGCTGT	CGGTGTACGCGCGGGG
M89. txt	SEQ ID NO 180	TCGAAACCCCGGAGGGG	CCGAAACATCGGT	TGATCGGGCTCGCTGT	CGGTGTACGCGCGGGG
M66 (Mav4). txt	SEQ ID NO 181	TCGAAACCCCGGAGGGG	CCGAAACATCGGT	TGATCGGGCTCGCTGT	CGGTGTACGCGCGGGG

250 260 270 280 290 300

Table 1
BASE NOS 301-360

ATCC9-Mtb.txt	SEQ ID NO 1	TCAACCCCGTTTCGGGTTTCATCGA	AACGGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
MY621.txt	SEQ ID NO 2	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
Atcc1-av.txt	SEQ ID NO 3	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H29.txt	SEQ ID NO 4	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H30.txt	SEQ ID NO 5	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H31.txt	SEQ ID NO 6	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H32.txt	SEQ ID NO 7	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H33.txt	SEQ ID NO 8	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H34.txt	SEQ ID NO 9	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H48-new.txt	SEQ ID NO 10	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H49.txt	SEQ ID NO 11	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H64 (Nav2).txt	SEQ ID NO 12	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H65 (Nav3).txt	SEQ ID NO 13	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H67 (Nav5).txt	SEQ ID NO 14	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H69 (Nav7).txt	SEQ ID NO 15	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H71 (Nav9).txt	SEQ ID NO 16	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H91.txt	SEQ ID NO 17	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H94.txt	SEQ ID NO 18	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H95.txt	SEQ ID NO 19	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H96.txt	SEQ ID NO 20	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H100.txt	SEQ ID NO 21	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H101.txt	SEQ ID NO 22	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H102.txt	SEQ ID NO 23	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H104.txt	SEQ ID NO 24	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H105.txt	SEQ ID NO 25	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H106.txt	SEQ ID NO 26	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H111.txt	SEQ ID NO 27	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H16.txt	SEQ ID NO 28	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H451.txt	SEQ ID NO 29	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
ATCC2-Chelnew.txt	SEQ ID NO 30	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H10.txt	SEQ ID NO 31	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H11-662.txt	SEQ ID NO 32	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H12.txt	SEQ ID NO 33	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H13_2_662.txt	SEQ ID NO 34	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H14.txt	SEQ ID NO 35	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H15.txt	SEQ ID NO 36	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H16.txt	SEQ ID NO 37	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H17_2_662.txt	SEQ ID NO 38	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H50.txt	SEQ ID NO 39	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H51.txt	SEQ ID NO 40	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H15.txt	SEQ ID NO 41	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H16.txt	SEQ ID NO 42	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H19.txt	SEQ ID NO 43	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
MY109.txt	SEQ ID NO 44	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
MY200.txt	SEQ ID NO 45	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
MY207.txt	SEQ ID NO 46	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
MY209.txt	SEQ ID NO 47	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H122.txt	SEQ ID NO 48	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H123.txt	SEQ ID NO 49	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H124.txt	SEQ ID NO 50	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
Atcc3-for.txt	SEQ ID NO 51	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H53.txt	SEQ ID NO 52	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H54.txt	SEQ ID NO 53	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H55.txt	SEQ ID NO 54	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H56.txt	SEQ ID NO 55	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG
H74 (Nav12).txt	SEQ ID NO 56	TCAACCCCGTTTCGGGTTTCATCGA	GACGCCGTACGGCAAGGTGGTCTGACGGCGTGGTTAGCG

[illegible]

Table 1

SEQ ID NO 113	60. txt
SEQ ID NO 114	61. txt
SEQ ID NO 115	62. txt
SEQ ID NO 116	Y106. txt
SEQ ID NO 117	Y216. txt
SEQ ID NO 118	Y218. txt
SEQ ID NO 119	Y226. txt
SEQ ID NO 120	109. txt
SEQ ID NO 121	111. txt
SEQ ID NO 122	112. txt
SEQ ID NO 123	113. txt
SEQ ID NO 124	114. txt
SEQ ID NO 125	Y325. txt
SEQ ID NO 126	Y718. txt
SEQ ID NO 127	Y214. txt
SEQ ID NO 128	Y224. txt
SEQ ID NO 129	Y244. txt
SEQ ID NO 130	Y339. txt
SEQ ID NO 131	Y343. txt
SEQ ID NO 132	Y458. txt
SEQ ID NO 133	Y809. txt
SEQ ID NO 134	Y817. txt
SEQ ID NO 135	Y821. txt
SEQ ID NO 136	Y824. txt
SEQ ID NO 137	Y102. txt
SEQ ID NO 138	Y105. txt
SEQ ID NO 139	Y251. txt
SEQ ID NO 140	Y256. txt
SEQ ID NO 141	Y294. txt
SEQ ID NO 142	Y354. txt
SEQ ID NO 143	tc07-9cr. txt
SEQ ID NO 144	tc07-0scr. txt
SEQ ID NO 145	Y121. txt
SEQ ID NO 146	Y249. txt
SEQ ID NO 147	Y372. txt
SEQ ID NO 148	Y378. txt
SEQ ID NO 149	Y484. txt
SEQ ID NO 150	Y556. txt
SEQ ID NO 151	Y563. txt
SEQ ID NO 152	Y586. txt
SEQ ID NO 153	tc08-emo. txt
SEQ ID NO 154	135. txt
SEQ ID NO 155	136. txt
SEQ ID NO 156	137. txt
SEQ ID NO 157	125. txt
SEQ ID NO 158	Y143. txt
SEQ ID NO 159	Y104. txt
SEQ ID NO 160	Y196. txt
SEQ ID NO 161	Y357. txt
SEQ ID NO 162	Y358. txt
SEQ ID NO 163	Y480. txt
SEQ ID NO 164	Y1212. txt
SEQ ID NO 165	Y1491. txt
SEQ ID NO 166	Y1497. txt
SEQ ID NO 167	Y1816. txt
SEQ ID NO 168	tc010-xeo. txt

Table 1
BASE NOS 301-360

M38.txt	SEQ ID NO 169	TCAACCCCGTACGGGTTCATTGAGACGGCCCTACCGCAAGGTGGTCAACGGCGTGGTCAACGG	310	320	330	340	350	360
M39.txt	SEQ ID NO 170	TCAACCCCGTACGGGTTCATTGAGACGGCCCTACCGCAAGGTGGTCAACGGCGTGGTCAACGG						
M40.txt	SEQ ID NO 171	TCAACCCCGTACGGGTTCATTGAGACGGCCCTACCGCAAGGTGGTCAACGGCGTGGTCAACGG						
M41.txt	SEQ ID NO 172	TCAACCCCGTACGGGTTCATTGAGACGGCCCTACCGCAAGGTGGTCAACGGCGTGGTCAACGG						
M42.txt	SEQ ID NO 173	TCAACCCCGTACGGGTTCATTGAGACGGCCCTACCGCAAGGTGGTCAACGGCGTGGTCAACGG						
M43.txt	SEQ ID NO 174	TCAACCCCGTACGGGTTCATTGAGACGGCCCTACCGCAAGGTGGTCAACGGCGTGGTCAACGG						
M44.txt	SEQ ID NO 175	TCAACCCCGTACGGGTTCATTGAGACGGCCCTACCGCAAGGTGGTCAACGGCGTGGTCAACGG						
M45.txt	SEQ ID NO 176	TCAACCCCGTACGGGTTCATTGAGACGGCCCTACCGCAAGGTGGTCAACGGCGTGGTCAACGG						
M46.txt	SEQ ID NO 177	TCAACCCCGTACGGGTTCATTGAGACGGCCCTACCGCAAGGTGGTCAACGGCGTGGTCAACGG						
M47.txt	SEQ ID NO 178	TCAACCCCGTACGGGTTCATTGAGACGGCCCTACCGCAAGGTGGTCAACGGCGTGGTCAACGG						
M48 (Mav6).txt	SEQ ID NO 179	TCAACCCCGTACGGGTTCATTGAGACGGCCCTACCGCAAGGTGGTCAACGGCGTGGTCAACGG						
M89.txt	SEQ ID NO 180	TCAACCCCGTACGGGTTCATTGAGACGGCCCTACCGCAAGGTGGTCAACGGCGTGGTCAACGG						
M66 (Mav4).txt	SEQ ID NO 181	TCAACCCCGTACGGGTTCATTGAGACGGCCCTACCGCAAGGTGGTCAACGGCGTGGTCAACGG						

Table 1
BASE NOS 361-420

ATCC9-Mtb.txt	SEQ.ID.NO 1	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
MY621.txt	SEQ.ID.NO 2	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
Atcc1-av.txt	SEQ.ID.NO 3	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M29.txt	SEQ.ID.NO 4	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M30.txt	SEQ.ID.NO 5	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M31.txt	SEQ.ID.NO 6	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M32.txt	SEQ.ID.NO 7	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M33.txt	SEQ.ID.NO 8	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M34.txt	SEQ.ID.NO 9	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M38-new.txt	SEQ.ID.NO 10	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M49.txt	SEQ.ID.NO 11	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M64(Mav2).txt	SEQ.ID.NO 12	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M65(Mav3).txt	SEQ.ID.NO 13	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M67(Mav5).txt	SEQ.ID.NO 14	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M69(Mav7).txt	SEQ.ID.NO 15	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M71(Mav9).txt	SEQ.ID.NO 16	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M91.txt	SEQ.ID.NO 17	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M94.txt	SEQ.ID.NO 18	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M95.txt	SEQ.ID.NO 19	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M96.txt	SEQ.ID.NO 20	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M100.txt	SEQ.ID.NO 21	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M101.txt	SEQ.ID.NO 22	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M102.txt	SEQ.ID.NO 23	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M104.txt	SEQ.ID.NO 24	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M105.txt	SEQ.ID.NO 25	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M106.txt	SEQ.ID.NO 26	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M111.txt	SEQ.ID.NO 27	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M176.txt	SEQ.ID.NO 28	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
MY451.txt	SEQ.ID.NO 29	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
ATCC2-chelnav.txt	SEQ.ID.NO 30	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M10.txt	SEQ.ID.NO 31	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M11-662.txt	SEQ.ID.NO 32	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M12.txt	SEQ.ID.NO 33	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M13_2_662.txt	SEQ.ID.NO 34	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M14.txt	SEQ.ID.NO 35	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M15.txt	SEQ.ID.NO 36	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M16.txt	SEQ.ID.NO 37	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M17_2_662.txt	SEQ.ID.NO 38	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M50.txt	SEQ.ID.NO 39	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M51.txt	SEQ.ID.NO 40	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M115.txt	SEQ.ID.NO 41	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M116.txt	SEQ.ID.NO 42	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M119.txt	SEQ.ID.NO 43	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
MY109.txt	SEQ.ID.NO 44	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
MY200.txt	SEQ.ID.NO 45	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
MY207.txt	SEQ.ID.NO 46	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
MY209.txt	SEQ.ID.NO 47	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M122.txt	SEQ.ID.NO 48	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M123.txt	SEQ.ID.NO 49	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M124.txt	SEQ.ID.NO 50	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
Atcc3-for.txt	SEQ.ID.NO 51	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M53.txt	SEQ.ID.NO 52	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M54.txt	SEQ.ID.NO 53	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M55.txt	SEQ.ID.NO 54	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M56.txt	SEQ.ID.NO 55	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT
M14(Mav12).txt	SEQ.ID.NO 56	ACGAGATCGGTTACCTGACCGGCGGACGAGGAGGACCGCCACCGTGGTGGCACAAGGCCAAAT

SEQ ID NO 57	SEQ ID NO 58	SEQ ID NO 59	SEQ ID NO 60	SEQ ID NO 61	SEQ ID NO 62	SEQ ID NO 63	SEQ ID NO 64	SEQ ID NO 65	SEQ ID NO 66	SEQ ID NO 67	SEQ ID NO 68	SEQ ID NO 69	SEQ ID NO 70	SEQ ID NO 71	SEQ ID NO 72	SEQ ID NO 73	SEQ ID NO 74	SEQ ID NO 75	SEQ ID NO 76	SEQ ID NO 77	SEQ ID NO 78	SEQ ID NO 79	SEQ ID NO 80	SEQ ID NO 81	SEQ ID NO 82	SEQ ID NO 83	SEQ ID NO 84	SEQ ID NO 85	SEQ ID NO 86	SEQ ID NO 87	SEQ ID NO 88	SEQ ID NO 89	SEQ ID NO 90	SEQ ID NO 91	SEQ ID NO 92	SEQ ID NO 93	SEQ ID NO 94	SEQ ID NO 95	SEQ ID NO 96	SEQ ID NO 97	SEQ ID NO 98	SEQ ID NO 99	SEQ ID NO 100	SEQ ID NO 101	SEQ ID NO 102	SEQ ID NO 103	SEQ ID NO 104	SEQ ID NO 105	SEQ ID NO 106	SEQ ID NO 107	SEQ ID NO 108	SEQ ID NO 109	SEQ ID NO 110	SEQ ID NO 111	SEQ ID NO 112					
MI77.txt	MI18.txt	MI221.txt	MI223.txt	MI225.txt	MI2341.txt	MI715.txt	MI470.txt	ATCC4-go.txt	ATCC4-0-Gord.txt	MI78(1z).txt	MI79(jd).txt	MI80(lg).txt	MI81(11).txt	MI82(rm).txt	MI83(mbb).txt	MI84(ow).txt	MI85(1b).txt	MI86(rsb).txt	MI87(wm).txt	MI90(gordDB).txt	mi126.txt	MI128.txt	MI103.txt	MI475.txt	MI476.txt	MI478.txt	MI479.txt	MI480.txt	MI481.txt	MI482.txt	MI483.txt	MI484.txt	MI485.txt	MI486.txt	MI487.txt	MI488.txt	MI489.txt	MI490.txt	MI491.txt	MI492.txt	MI493.txt	MI494.txt	MI495.txt	MI496.txt	MI497.txt	MI498.txt	MI499.txt	MI500.txt	MI501.txt	MI502.txt	MI503.txt	MI504.txt	MI505.txt	MI506.txt	MI507.txt	MI508.txt	MI509.txt	MI510.txt	MI511.txt	MI512.txt

Table 1

SEQ.ID.NO.113	SEQ.ID.NO.114	SEQ.ID.NO.115	SEQ.ID.NO.116	SEQ.ID.NO.117	SEQ.ID.NO.118	SEQ.ID.NO.119	SEQ.ID.NO.120	SEQ.ID.NO.121	SEQ.ID.NO.122	SEQ.ID.NO.123	SEQ.ID.NO.124	SEQ.ID.NO.125	SEQ.ID.NO.126	SEQ.ID.NO.127	SEQ.ID.NO.128	SEQ.ID.NO.129	SEQ.ID.NO.130	SEQ.ID.NO.131	SEQ.ID.NO.132	SEQ.ID.NO.133	SEQ.ID.NO.134	SEQ.ID.NO.135	SEQ.ID.NO.136	SEQ.ID.NO.137	SEQ.ID.NO.138	SEQ.ID.NO.139	SEQ.ID.NO.140	SEQ.ID.NO.141	SEQ.ID.NO.142	SEQ.ID.NO.143	SEQ.ID.NO.144	SEQ.ID.NO.145	SEQ.ID.NO.146	SEQ.ID.NO.147	SEQ.ID.NO.148	SEQ.ID.NO.149	SEQ.ID.NO.150	SEQ.ID.NO.151	SEQ.ID.NO.152	SEQ.ID.NO.153	SEQ.ID.NO.154	SEQ.ID.NO.155	SEQ.ID.NO.156	SEQ.ID.NO.157	SEQ.ID.NO.158	SEQ.ID.NO.159	SEQ.ID.NO.160	SEQ.ID.NO.161	SEQ.ID.NO.162	SEQ.ID.NO.163	SEQ.ID.NO.164	SEQ.ID.NO.165	SEQ.ID.NO.166	SEQ.ID.NO.167	SEQ.ID.NO.168
M60. txt	M61. txt	M62. txt	MY106. txt	MY216. txt	MY218. txt	MY226. txt	M109. txt	M111. txt	M112. txt	M113. txt	M114. txt	MY325. txt	MY718. txt	MY214. txt	MY224. txt	MY244. txt	MY339. txt	My343. txt	MY458. txt	MY809. txt	MY817. txt	MY821. txt	MY824. txt	MY102. txt	MY105. txt	MY251. txt	MY256. txt	MY294. txt	MY354. txt	ATCC7-3cr. txt	ATCC7-3scr. txt	MY121. txt	MY249. txt	MY372. txt	MY378. txt	MY484. txt	MY556. txt	MY563. txt	MY586. txt	ATcc8-sma. txt	N35. txt	M36. txt	M37. txt	m125. txt	MY143. txt	MY104. txt	MY196. txt	MY357. txt	My358. txt	MY480. txt	MY212. txt	MY491. txt	MY497. txt	MY816. txt	ATcc10-xon. txt

[illegible]

Table 1

SEQ ID NO 111
SEQ ID NO 112
SEQ ID NO 113
SEQ ID NO 114
SEQ ID NO 115
SEQ ID NO 116
SEQ ID NO 117
SEQ ID NO 118
SEQ ID NO 119
SEQ ID NO 120
SEQ ID NO 121
SEQ ID NO 122
SEQ ID NO 123
SEQ ID NO 124
SEQ ID NO 125
SEQ ID NO 126
SEQ ID NO 127
SEQ ID NO 128
SEQ ID NO 129
SEQ ID NO 130
SEQ ID NO 131
SEQ ID NO 132
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SEQ ID NO 141
SEQ ID NO 142
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SEQ ID NO 145
SEQ ID NO 146
SEQ ID NO 147
SEQ ID NO 148
SEQ ID NO 149
SEQ ID NO 150
SEQ ID NO 151
SEQ ID NO 152
SEQ ID NO 153
SEQ ID NO 154
SEQ ID NO 155
SEQ ID NO 156
SEQ ID NO 157
SEQ ID NO 158
SEQ ID NO 159
SEQ ID NO 160
SEQ ID NO 161
SEQ ID NO 162
SEQ ID NO 163
SEQ ID NO 164
SEQ ID NO 165
SEQ ID NO 166
SEQ ID NO 167
SEQ ID NO 168

Table 1
BASE NOS 481-540

ATCC9-mtb.txt	SEQ ID NO 1	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
MY621.txt	SEQ ID NO 2	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
Atcc1-av.txt	SEQ ID NO 3	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M29.txt	SEQ ID NO 4	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M30.txt	SEQ ID NO 5	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M31.txt	SEQ ID NO 6	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M32.txt	SEQ ID NO 7	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M33.txt	SEQ ID NO 8	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M34.txt	SEQ ID NO 9	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M48-new.txt	SEQ ID NO 10	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M49.txt	SEQ ID NO 11	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M64(Mav2).txt	SEQ ID NO 12	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M65(Mav3).txt	SEQ ID NO 13	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M67(Mav5).txt	SEQ ID NO 14	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M69(Mav7).txt	SEQ ID NO 15	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M71(Mav9).txt	SEQ ID NO 16	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M91.txt	SEQ ID NO 17	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M94.txt	SEQ ID NO 18	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M95.txt	SEQ ID NO 19	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M96.txt	SEQ ID NO 20	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M100.txt	SEQ ID NO 21	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M101.txt	SEQ ID NO 22	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M102.txt	SEQ ID NO 23	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M104.txt	SEQ ID NO 24	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M105.txt	SEQ ID NO 25	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M106.txt	SEQ ID NO 26	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M111.txt	SEQ ID NO 27	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M176.txt	SEQ ID NO 28	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
MY451.txt	SEQ ID NO 29	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
ATCC2-cholesterol.txt	SEQ ID NO 30	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M10.txt	SEQ ID NO 31	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M11-662.txt	SEQ ID NO 32	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M12.txt	SEQ ID NO 33	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M13 2 662.txt	SEQ ID NO 34	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M14.txt	SEQ ID NO 35	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M15.txt	SEQ ID NO 36	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M16.txt	SEQ ID NO 37	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M17 2 662.txt	SEQ ID NO 38	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M50.txt	SEQ ID NO 39	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M51.txt	SEQ ID NO 40	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M115.txt	SEQ ID NO 41	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M116.txt	SEQ ID NO 42	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M119.txt	SEQ ID NO 43	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M109.txt	SEQ ID NO 44	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M200.txt	SEQ ID NO 45	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M207.txt	SEQ ID NO 46	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M209.txt	SEQ ID NO 47	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M122.txt	SEQ ID NO 48	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M123.txt	SEQ ID NO 49	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M124.txt	SEQ ID NO 50	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
Atcc3-for.txt	SEQ ID NO 51	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M53.txt	SEQ ID NO 52	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M54.txt	SEQ ID NO 53	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M55.txt	SEQ ID NO 54	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M56.txt	SEQ ID NO 55	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC
M71(Mav2).txt	SEQ ID NO 56	GCCGCAAGGCGGGCGGAGGTGGAGTACGTGCCCCTCGTCTGAGGTTGGACTACATGGACGTC

Table 1
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M177.txt	SEQ ID NO 57	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M118.txt	SEQ ID NO 58	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M121.txt	SEQ ID NO 59	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M223.txt	SEQ ID NO 60	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M225.txt	SEQ ID NO 61	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M341.txt	SEQ ID NO 62	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M715.txt	SEQ ID NO 63	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M740.txt	SEQ ID NO 64	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
Atcc4-go.txt	SEQ ID NO 65	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
ATCC4-0-Gord.tx	SEQ ID NO 66	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M78(1z).txt	SEQ ID NO 67	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M79(3d).txt	SEQ ID NO 68	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M80(1g).txt	SEQ ID NO 69	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M81(1l).txt	SEQ ID NO 70	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M82(1m).txt	SEQ ID NO 71	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M83(1b).txt	SEQ ID NO 72	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M84(1w).txt	SEQ ID NO 73	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M85(1b).txt	SEQ ID NO 74	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M86(1b).txt	SEQ ID NO 75	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M87(1w).txt	SEQ ID NO 76	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M90(gordb).txt	SEQ ID NO 77	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
m126.txt	SEQ ID NO 78	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M128.txt	SEQ ID NO 79	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M103.txt	SEQ ID NO 80	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M475.txt	SEQ ID NO 81	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M476.txt	SEQ ID NO 82	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M830.txt	SEQ ID NO 83	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
Atcc5-int.txt	SEQ ID NO 84	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
ATCC5-0int.txt	SEQ ID NO 85	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M18.txt	SEQ ID NO 86	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M19.txt	SEQ ID NO 87	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M20.txt	SEQ ID NO 88	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M21.txt	SEQ ID NO 89	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M22.txt	SEQ ID NO 90	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M23.txt	SEQ ID NO 91	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M24.txt	SEQ ID NO 92	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M25.txt	SEQ ID NO 93	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M26.txt	SEQ ID NO 94	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M27.txt	SEQ ID NO 95	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M28.txt	SEQ ID NO 96	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M107.txt	SEQ ID NO 97	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M107.1.txt	SEQ ID NO 98	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M112.txt	SEQ ID NO 99	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M132.txt	SEQ ID NO 100	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
Atcc6-kan.txt	SEQ ID NO 101	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
ATCC6-0Kan.txt	SEQ ID NO 102	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M1.txt	SEQ ID NO 103	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M2.txt	SEQ ID NO 104	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M3.txt	SEQ ID NO 105	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M4.txt	SEQ ID NO 106	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M6.txt	SEQ ID NO 107	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M7.txt	SEQ ID NO 108	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M9.txt	SEQ ID NO 109	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M57.txt	SEQ ID NO 110	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M58.txt	SEQ ID NO 111	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT
M59.txt	SEQ ID NO 112	GCCGTTAAGGGTGGCGAGGGTGGAGAACCGTGGCCCGCGTCCGACCGTGGACTACATGGACGCTCT

BASE NOS 481-540

[illegible]

Table 1
BASE NOS 541-600

[illegible]

Table 1

[illegible]

Table 1
BASE NOS 541-600

M38.txt	SEQ ID NO 169	CGCCCGGCCAAGATGGTGTCTGGTGGCCACCGCGATGAT	550	560	570	580	590	600
M39.txt	SEQ ID NO 170	CGCCCGGCCAAGATGGTGTCTGGTGGCCACCGCGATGAT						
M40.txt	SEQ ID NO 171	CGCCCGGCCAAGATGGTGTCTGGTGGCCACCGCGATGAT						
M41.txt	SEQ ID NO 172	CGCCCGGCCAAGATGGTGTCTGGTGGCCACCGCGATGAT						
M42.txt	SEQ ID NO 173	CGCCCGGCCAAGATGGTGTCTGGTGGCCACCGCGATGAT						
M43.txt	SEQ ID NO 174	CGCCCGGCCAAGATGGTGTCTGGTGGCCACCGCGATGAT						
M44.txt	SEQ ID NO 175	CGCCCGGCCAAGATGGTGTCTGGTGGCCACCGCGATGAT						
M45.txt	SEQ ID NO 176	CGCCCGGCCAAGATGGTGTCTGGTGGCCACCGCGATGAT						
M46.txt	SEQ ID NO 177	CGCCCGGCCAAGATGGTGTCTGGTGGCCACCGCGATGAT						
M47.txt	SEQ ID NO 178	CGCCCGGCCAAGATGGTGTCTGGTGGCCACCGCGATGAT						
M68(Mav6).txt	SEQ ID NO 179	CGCCCGGCCAAGATGGTGTCTGGTGGCCACCGCGATGAT						
M89.txt	SEQ ID NO 180	CGCCCGGCCAAGATGGTGTCTGGTGGCCACCGCGATGAT						
M66(Mav4).txt	SEQ ID NO 181	CGCCCGGCCAAGATGGTGTCTGGTGGCCACCGCGATGAT						

Table 1

BASE NOS 600-660

SEQ ID NO 1	ATCC9-Mtb.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 2	MY621.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 3	Atcc1-av.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 4	M29.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 5	M30.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 6	M31.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 7	M32.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 8	M33.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 9	M34.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 10	M48-new.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 11	M49.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 12	M64 (Mav2).txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 13	M65 (Mav3).txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 14	M67 (Mav5).txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 15	M69 (Mav7).txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 16	M71 (Mav9).txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 17	M91.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 18	M94.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 19	M95.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 20	M96.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 21	M100.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 22	M101.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 23	M102.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 24	M104.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 25	M105.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 26	M106.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 27	M111.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 28	M76.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 29	M451.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 30	ATCC2-chelnew.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 31	M10.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 32	M11-662.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 33	M12.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 34	M13-2-662.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 35	M14.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 36	M15.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 37	M16.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 38	M17-2-662.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 39	M50.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 40	M51.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 41	M115.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 42	M116.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 43	M119.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 44	MY109.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 45	MY200.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 46	MY207.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 47	MY209.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 48	M122.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 49	M123.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 50	M124.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 51	Atcc3-for.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 52	M53.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 53	M54.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 54	M55.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 55	M56.txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG
SEQ ID NO 56	M74 (Mav12).txt	CCAAACCGTGGCCCTCATGGGGGCAAAATGCAAGCGGCCAGGCGGGTCCGCTGGTGGTAGCG

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[illegible]

Table 1

BASE NOS 600-660

M38.txt
M39.txt
M40.txt
M41.txt
M42.txt
M43.txt
M44.txt
M45.txt
M46.txt
M47.txt
M68(Mav6
M89.txt
M66(Mav4

[illegible]

Table 1

BASE NOS 660-720

ATCC9-Mtb.txt	SEQ ID NO 1	AGGCGCCCGCTGGTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
MY621.txt	SEQ ID NO 2	AGGCGCCCGCTGGTGGTGGGACCCGGGACCC
Atcc1-av.txt	SEQ ID NO 3	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M29.txt	SEQ ID NO 4	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M30.txt	SEQ ID NO 5	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M31.txt	SEQ ID NO 6	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M32.txt	SEQ ID NO 7	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M33.txt	SEQ ID NO 8	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M34.txt	SEQ ID NO 9	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M4B-nov.txt	SEQ ID NO 10	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M49.txt	SEQ ID NO 11	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M64(Mav2).txt	SEQ ID NO 12	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M65(Mav3).txt	SEQ ID NO 13	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M67(Mav5).txt	SEQ ID NO 14	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M69(Mav7).txt	SEQ ID NO 15	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M71(Mav9).txt	SEQ ID NO 16	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M91.txt	SEQ ID NO 17	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M94.txt	SEQ ID NO 18	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M95.txt	SEQ ID NO 19	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M96.txt	SEQ ID NO 20	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M100.txt	SEQ ID NO 21	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M101.txt	SEQ ID NO 22	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M102.txt	SEQ ID NO 23	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M104.txt	SEQ ID NO 24	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M105.txt	SEQ ID NO 25	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M106.txt	SEQ ID NO 26	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
MY111.txt	SEQ ID NO 27	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M76.txt	SEQ ID NO 28	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
MY451.txt	SEQ ID NO 29	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
ATCC2-chelnew.txt	SEQ ID NO 30	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M10.txt	SEQ ID NO 31	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M11-662.txt	SEQ ID NO 32	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M12.txt	SEQ ID NO 33	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M13_2_662.txt	SEQ ID NO 34	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M14.txt	SEQ ID NO 35	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M15.txt	SEQ ID NO 36	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M16.txt	SEQ ID NO 37	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M17_2_662.txt	SEQ ID NO 38	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M50.txt	SEQ ID NO 39	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M51.txt	SEQ ID NO 40	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M115.txt	SEQ ID NO 41	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M116.txt	SEQ ID NO 42	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M119.txt	SEQ ID NO 43	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
MY109.txt	SEQ ID NO 44	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
MY200.txt	SEQ ID NO 45	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
MY207.txt	SEQ ID NO 46	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
MY209.txt	SEQ ID NO 47	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M122.txt	SEQ ID NO 48	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M123.txt	SEQ ID NO 49	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M124.txt	SEQ ID NO 50	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTGCGCGCGGCGGCGATCGACGCGGCGGACGCT
Atcc3-for.txt	SEQ ID NO 51	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTTGGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M53.txt	SEQ ID NO 52	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTTGGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M54.txt	SEQ ID NO 53	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTTGGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M55.txt	SEQ ID NO 54	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTTGGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M56.txt	SEQ ID NO 55	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTTGGCGCGCGGCGGCGATCGACGCGGCGGACGCT
M74(Mav12).txt	SEQ ID NO 56	ANGCGCCCGCTGGTGGGACCCGGGATGGAGCTTGGCGCGCGGCGGCGATCGACGCGGCGGACGCT

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[illegible]

Table 1
BASE NOS 660-720

M38.txt	SEQ ID NO 169	AGGC	ACCGGCTGGTGGGCA	CCGGGATGGA	TTGCGCGCGGCGCGATCGACGCGGCGGACGCT	700
M39.txt	SEQ ID NO 170	AGGC	ACCGGCTGGTGGGCA	CCGGGATGGA	TTGCGCGCGGCGCGATCGACGCGGCGGACGCT	710
M40.txt	SEQ ID NO 171	AGGC	ACCGGCTGGTGGGCA	CCGGGATGGA	TTGCGCGCGGCGCGATCGACGCGGCGGACGCT	720
M41.txt	SEQ ID NO 172	AGGC	ACCGGCTGGTGGGCA	CCGGGATGGA	TTGCGCGCGGCGCGATCGACGCGGCGGACGCT	
M42.txt	SEQ ID NO 173	AGGC	ACCGGCTGGTGGGCA	CCGGGATGGA	TTGCGCGCGGCGCGATCGACGCGGCGGACGCT	
M43.txt	SEQ ID NO 174	AGGC	ACCGGCTGGTGGGCA	CCGGGATGGA	TTGCGCGCGGCGCGATCGACGCGGCGGACGCT	
M44.txt	SEQ ID NO 175	AGGC	ACCGGCTGGTGGGCA	CCGGGATGGA	TTGCGCGCGGCGCGATCGACGCGGCGGACGCT	
M45.txt	SEQ ID NO 176	AGGC	ACCGGCTGGTGGGCA	CCGGGATGGA	TTGCGCGCGGCGCGATCGACGCGGCGGACGCT	
M46.txt	SEQ ID NO 177	AGGC	ACCGGCTGGTGGGCA	CCGGGATGGA	TTGCGCGCGGCGCGATCGACGCGGCGGACGCT	
M47.txt	SEQ ID NO 178	AGGC	ACCGGCTGGTGGGCA	CCGGGATGGA	TTGCGCGCGGCGCGATCGACGCGGCGGACGCT	
M48 (Hav6).txt	SEQ ID NO 179	AGGC	ACCGGCTGGTGGGCA	CCGGGATGGA	TTGCGCGCGGCGCGATCGACGCGGCGGACGCT	
M49.txt	SEQ ID NO 180	AGGC	ACCGGCTGGTGGGCA	CCGGGATGGA	TTGCGCGCGGCGCGATCGACGCGGCGGACGCT	
M56 (Hav4).txt	SEQ ID NO 181	AGGC	ACCGGCTGGTGGGCA	CCGGGATGGA	TTGCGCGCGGCGCGATCGACGCGGCGGACGCT	

Table 2

Affy#	SAMPLE ID#	Ail ID	SPECIES
MY821		ATCC	<i>M. abscessus</i>
ATCC1	25291	ATCC-av	<i>M. avium</i>
M100	60300	MAC	<i>M. avium</i>
M101	60112	MAC	<i>M. avium</i>
M102	60268	MAC	<i>M. avium</i>
M103	60270	MAC	<i>M. avium</i>
M104	60272	MAC	<i>M. avium</i>
M105	60293	MAC	<i>M. avium</i>
M106	60313	MAC	<i>M. avium</i>
M107	60345	MAC	<i>M. avium</i>
M29	95-1764		<i>M. avium</i>
M30	95-1766		<i>M. avium</i>
M31	95-1768		<i>M. avium</i>
M32	95-1770		<i>M. avium</i>
M33	95-1775		<i>M. avium</i>
M34	95-1776		<i>M. avium</i>
M48	95-1765		<i>M. avium</i>
M49	95-1769		<i>M. avium</i>
M83	MAC #1	MAC	<i>M. avium</i>
M84	MAC #2	MAC	<i>M. avium</i>
M85	MAC #3	MAC	<i>M. avium</i>
M87	MAC #5	MAC	<i>M. avium</i>
M69	MAC #7	MAC	<i>M. avium</i>
M70	MAC #8	MAC	<i>M. avium</i>
M71	MAC #9	MAC	<i>M. avium</i>
M72	MAC #10	MAC	<i>M. avium</i>
M91	FM	<i>avium-intracell. FM(MAC)</i>	<i>M. avium</i>
M92	60040	MAC	<i>M. avium</i>
M93	60042	MAC	<i>M. avium</i>
M94	60049	MAC	<i>M. avium</i>
M95	60051	MAC	<i>M. avium</i>
M96	60110	MAC	<i>M. avium</i>
M97	60116	MAC	<i>M. avium</i>
M98	60123	MAC	<i>M. avium</i>
M99	60176	MAC	<i>M. avium</i>
M78	92-773		<i>M. bovis</i>
MY451			<i>M. bovis</i>
ATCC2	35752	ATCC-chel(new)	<i>M. chelonae</i>
M10	95A9151		<i>M. chelonae</i>
M11	95A0477		<i>M. chelonae</i>
M115	60121		<i>M. chelonae</i>
M116	52942		<i>M. chelonae</i>
M117	43192		<i>M. chelonae</i>
M118	53180		<i>M. chelonae</i>
M119	53131		<i>M. chelonae</i>
M12	95A4883		<i>M. chelonae</i>
M120	52923		<i>M. chelonae</i>
M121	52919		<i>M. chelonae</i>
M13	95A2811		<i>M. chelonae</i>
M14	95A0779		<i>M. chelonae</i>
M15	95A8854		<i>M. chelonae</i>
M16	95A8882		<i>M. chelonae</i>
M17	95A8881		<i>M. chelonae</i>
M50	95A11814		<i>M. chelonae</i>
M51	95A1102		<i>M. chelonae</i>
M75	#13	MAC#13	<i>M. chelonae</i>
MY109			<i>M. chelonae</i>
MY200			<i>M. chelonae</i>

Table 2

MY207			<i>M. chelonae</i>
MY209			<i>M. chelonae</i>
M122	60025		<i>M. flavescens</i>
M123	60078		<i>M. flavescens</i>
M124	60252		<i>M. flavescens</i>
ATCC3	6841	ATCC-for	<i>M. fortuitum</i>
M53	60305		<i>M. fortuitum</i>
M54	60344		<i>M. fortuitum</i>
M55	60435		<i>M. fortuitum</i>
M56	60447		<i>M. fortuitum</i>
M74	#12	MAC#12	<i>M. fortuitum</i>
M88	CH	fort. CH	<i>M. fortuitum</i>
MY221			<i>M. fortuitum</i>
MY223			<i>M. fortuitum</i>
MY225			<i>M. fortuitum</i>
MY341			<i>M. fortuitum</i>
MY715			<i>M. fortuitum</i>
MY470			<i>M. genevieve</i>
ATCC4	14470	ATCC-go	<i>M. gordonae</i>
ATCC4-0		gord.	<i>M. gordonae</i>
M125	60068		<i>M. gordonae</i>
M126	60182		<i>M. gordonae</i>
M127	60214		<i>M. gordonae</i>
M128	60283		<i>M. gordonae</i>
M78	92-942	gord. LZ	<i>M. gordonae</i>
M79	93-692	gord. JD	<i>M. gordonae</i>
M80	94-94	gord. LG	<i>M. gordonae</i>
M81	93-1231	gord. LL	<i>M. gordonae</i>
M82	93-483	gord. RM	<i>M. gordonae</i>
M83	92-1219	gord. MB	<i>M. gordonae</i>
M84	91-1131	gord. OW	<i>M. gordonae</i>
M85	91-1478	gord. LB	<i>M. gordonae</i>
M86	92-842	gord. RB	<i>M. gordonae</i>
M87	93-1180	gord. WN	<i>M. gordonae</i>
M90	DB	gord. DB	<i>M. gordonae</i>
MY103			<i>M. gordonae</i>
MY475			<i>M. gordonae</i>
MY476			<i>M. gordonae</i>
MY746			<i>M. gordonae</i>
MY830			<i>M. gordonae</i>
ATCC5		ATCC-int	<i>M. intracellulare</i>
ATCC5-0		intra	<i>M. intracellulare</i>
M18	95-1778		<i>M. intracellulare</i>
M19	95-1780		<i>M. intracellulare</i>
M20	95-1781		<i>M. intracellulare</i>
M21	95-1782		<i>M. intracellulare</i>
M22	95-1790		<i>M. intracellulare</i>
M23	95-1794		<i>M. intracellulare</i>
M24	95-1798		<i>M. intracellulare</i>
M25	95-1777		<i>M. intracellulare</i>
M26	95-1779		<i>M. intracellulare</i>
M27	95-1780		<i>M. intracellulare</i>
M28	95-1781		<i>M. intracellulare</i>
ATCC6	12478	ATCC-kan	<i>M. kansasii</i>
ATCC6-0		kans.	<i>M. kansasii</i>
M1	95A5375		<i>M. kansasii</i>
M2	95A10299		<i>M. kansasii</i>
M3	98A0020		<i>M. kansasii</i>
M4	95A3977		<i>M. kansasii</i>

Table 2

M5	95A4739		<i>M. kansasii</i>
M52	95A5381		<i>M. kansasii</i>
M57	80183		<i>M. kansasii</i>
M58	80180		<i>M. kansasii</i>
M59	80207		<i>M. kansasii</i>
M6	95A2695		<i>M. kansasii</i>
M80	80294		<i>M. kansasii</i>
M81	80308		<i>M. kansasii</i>
M82	80314		<i>M. kansasii</i>
M7	95A2694		<i>M. kansasii</i>
M73	#11	MAC#11	<i>M. kansasii</i>
M8	94A8042		<i>M. kansasii</i>
M9	95A1275		<i>M. kansasii</i>
MY108			<i>M. kansasii</i>
MY141			<i>M. kansasii</i>
MY216			<i>M. kansasii</i>
MY218			<i>M. kansasii</i>
MY228			<i>M. kansasii</i>
M108	80044		<i>M. malmoense</i>
M109	80149		<i>M. malmoense</i>
M110	80211		<i>M. malmoense</i>
M111	80202		<i>M. malmoense</i>
M112	80085		<i>M. malmoense</i>
M113	80047		<i>M. malmoense</i>
M114	80185		<i>M. malmoense</i>
MY325		ATCC	<i>M. malmoense</i>
MY718		malmo	<i>M. malmoense</i>
MY214			<i>M. marinum</i>
MY224			<i>M. marinum</i>
MY244			<i>M. marinum</i>
MY339			<i>M. marinum</i>
MY343			<i>M. marinum</i>
MY458		ATCC	<i>M. mucogenicum</i>
MY809			<i>M. mucogenicum</i>
MY817			<i>M. mucogenicum</i>
MY821			<i>M. mucogenicum</i>
MY824			<i>M. mucogenicum</i>
MY102			<i>M. nonchromogenicum</i>
MY105			<i>M. nonchromogenicum</i>
MY251			<i>M. nonchromogenicum</i>
MY256			<i>M. nonchromogenicum</i>
MY294			<i>M. nonchromogenicum</i>
ATCC7	19981	ATCC-scr	<i>M. scrofulaceum</i>
ATCC7-0		scrof.	<i>M. scrofulaceum</i>
MY121			<i>M. scrofulaceum</i>
MY249			<i>M. scrofulaceum</i>
MY372			<i>M. scrofulaceum</i>
MY378			<i>M. scrofulaceum</i>
MY484			<i>M. simiae</i>
MY556			<i>M. simiae</i>
MY583			<i>M. simiae</i>
MY586			<i>M. simiae</i>
ATCC8	19420	ATCC-sme	<i>M. smegmatis</i>
M35	95A1072		<i>M. smegmatis</i>
M36	95A8183		<i>M. smegmatis</i>
M37	95A4890		<i>M. smegmatis</i>
M77	82-144	smeg. JL	<i>M. smegmatis</i>
MY143		ATCC	<i>M. smegmatis</i>
MY104			<i>M. szulgai</i>

Table 2

MY198			<i>M. szulgai</i>
MY357			<i>M. szulgai</i>
MY358			<i>M. szulgai</i>
MY480			<i>M. szulgai</i>
TB74	C. 17.98.5		<i>M. tb</i> M160 DR
MY387			<i>M. tb</i>
MY418			<i>M. tb</i>
MY437			<i>M. tb</i>
MY482			<i>M. tb</i>
TB59	C. 18.98.1		<i>M. tb</i> H37rv DR
TB67	C. 18.98.1		<i>M. tb</i> H37rv DR
TB73	C. 17.98.1		<i>M. tb</i> H37rv DR
TB60	C. 18.98.2		<i>M. tb</i> J35 DR
TB65	C. 22.98.9		<i>M. tb</i> M101 DR
TB62	C. 18.98.4		<i>M. tb</i> M104 DR
TB89	C. 18.98.3		<i>M. tb</i> M104 DR
TB72	C. 18.98.7		<i>M. tb</i> M104DR
TB66	C. 22.98.10		<i>M. tb</i> M112 DR
TB63	C. 18.98.5		<i>M. tb</i> M140 DR
TB64	C. 18.98.6		<i>M. tb</i> M160 DR
TB70	C. 18.98.4		<i>M. tb</i> M160 DR
TB61	C. 18.98.3		<i>M. tb</i> M80 DR
TB68	C. 18.98.2		<i>M. tb</i> M80 DR
TB71	C. 18.98.8		<i>M. tb</i> M80 DR
MY212			<i>M. farae</i>
MY354			<i>M. farae</i>
MY491			<i>M. farae</i>
MY497			<i>M. farae</i>
MY816			<i>M. triplex</i>
ATCC9	27294	Mtb	<i>M. tuberculosis</i>
ATCC9-0		TB2020	<i>M. tuberculosis</i>
N/A	93-1071		<i>M. tuberculosis</i>
N/A	93-338		<i>M. tuberculosis</i>
N/A	92-852		<i>M. tuberculosis</i>
N/A	92-1005		<i>M. tuberculosis</i>
N/A	92-243		<i>M. tuberculosis</i>
N/A	92-304		<i>M. tuberculosis</i>
N/A	92-189		<i>M. tuberculosis</i>
N/A	92-187		<i>M. tuberculosis</i>
N/A	92-484		<i>M. tuberculosis</i>
N/A	94-577		<i>M. tuberculosis</i>
TB1	936		<i>M. tuberculosis</i>
TB10	1122		<i>M. tuberculosis</i>
TB11	3407		<i>M. tuberculosis</i>
TB12	978		<i>M. tuberculosis</i>
TB13	3553		<i>M. tuberculosis</i>
TB14	3468		<i>M. tuberculosis</i>
TB15	2163		<i>M. tuberculosis</i>
TB16	DW	DW	<i>M. tuberculosis</i>
TB17	CB	CB	<i>M. tuberculosis</i>
TB18	PB	PB	<i>M. tuberculosis</i>
TB19	AA	AA	<i>M. tuberculosis</i>
TB2	M0404A		<i>M. tuberculosis</i>
TB20	3492		<i>M. tuberculosis</i>
TB21	1435		<i>M. tuberculosis</i>
TB22	898		<i>M. tuberculosis</i>
TB23	2268		<i>M. tuberculosis</i>
TB24	3455		<i>M. tuberculosis</i>
TB25	37		<i>M. tuberculosis</i>

Table 2

TB26	173		<i>M. tuberculosis</i>
TB27	230		<i>M. tuberculosis</i>
TB28	2519		<i>M. tuberculosis</i>
TB29	T29233		<i>M. tuberculosis</i>
TB3	1231		<i>M. tuberculosis</i>
TB30	SP	SP	<i>M. tuberculosis</i>
TB31	3201		<i>M. tuberculosis</i>
TB32	3219		<i>M. tuberculosis</i>
TB33	80		<i>M. tuberculosis</i>
TB34	3442		<i>M. tuberculosis</i>
TB35	3502		<i>M. tuberculosis</i>
TB36	3759		<i>M. tuberculosis</i>
TB37	1295		<i>M. tuberculosis</i>
TB38	337		<i>M. tuberculosis</i>
TB39	394		<i>M. tuberculosis</i>
TB4	914		<i>M. tuberculosis</i>
TB40	499		<i>M. tuberculosis</i>
TB41	535		<i>M. tuberculosis</i>
TB42	607		<i>M. tuberculosis</i>
TB43	707		<i>M. tuberculosis</i>
TB44	692		<i>M. tuberculosis</i>
TB45	2408		<i>M. tuberculosis</i>
TB46	1069		<i>M. tuberculosis</i>
TB47	M3262A		<i>M. tuberculosis</i>
TB48	1338		<i>M. tuberculosis</i>
TB49	1368		<i>M. tuberculosis</i>
TB5	1145		<i>M. tuberculosis</i>
TB50	65		<i>M. tuberculosis</i>
TB51	727		<i>M. tuberculosis</i>
TB52	3455		<i>M. tuberculosis</i>
TB53	3506		<i>M. tuberculosis</i>
TB54	9600367		<i>M. tuberculosis</i>
TB55	9600173		<i>M. tuberculosis</i>
TB56	9503471		<i>M. tuberculosis</i>
TB57	9600309		<i>M. tuberculosis</i>
TB58	9600230		<i>M. tuberculosis</i>
TB6	1417		<i>M. tuberculosis</i>
TB7	SM2341		<i>M. tuberculosis</i>
TB75	2098		<i>M. tuberculosis</i>
TB76	173/1		<i>M. tuberculosis</i>
TB77	1122/1		<i>M. tuberculosis</i>
TB78	1417/1		<i>M. tuberculosis</i>
TB8	1587		<i>M. tuberculosis</i>
TB9	M7032A		<i>M. tuberculosis</i>
ATCC10	19250	ATCC-xen	<i>M. xenopi</i>
M129	60133		<i>M. xenopi</i>
M130	60200		<i>M. xenopi</i>
M131	60365		<i>M. xenopi</i>
M132	60387		<i>M. xenopi</i>
M36	95A5208		<i>M. xenopi</i>
M39	95A5399		<i>M. xenopi</i>
M40	95A3938		<i>M. xenopi</i>
M41	95A8762		<i>M. xenopi</i>
M42	95A0933		<i>M. xenopi</i>
M43	95A4320		<i>M. xenopi</i>
M44	95A3478		<i>M. xenopi</i>
M45	95A2997		<i>M. xenopi</i>
M46	95A8383		<i>M. xenopi</i>
M47	95A4319		<i>M. xenopi</i>

D2

Table 2

M68	MAC #6	MAC #6	<i>M. xenopi</i>
M89	SG	xen. SG	<i>M. xenopi</i>
MY219			<i>M. xenopi</i>
MY250			<i>M. xenopi</i>
MY252			<i>M. xenopi</i>
MY254			<i>M. xenopi</i>
MY255			<i>M. xenopi</i>
MY107			MAC
MY111			MAC
MY112			MAC
MY312			MAC
M68	MAC #4	MAC #4	unique

Concluded